



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

# PRODUCT INFORMATION

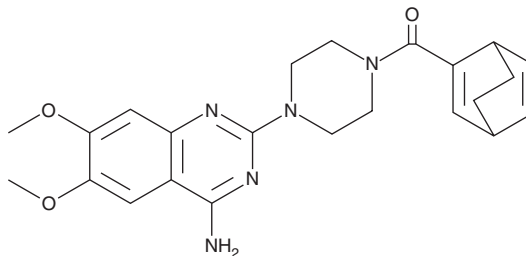


## Prazobind

Item No. 21409

**CAS Registry No.:** 107021-36-3  
**Formal Name:** [4-(4-amino-6,7-dimethoxy-2-quinazoliny)-1-piperazinyl] bicyclo[2.2.2]octa-2,5-dien-2-yl-methanone

**Synonym:** SZL-49  
**MF:** C<sub>23</sub>H<sub>27</sub>N<sub>5</sub>O<sub>3</sub>  
**FW:** 421.5  
**Purity:** ≥95%  
**UV/Vis.:** λ<sub>max</sub>: 212, 247, 331 nm  
**Supplied as:** A crystalline solid  
**Storage:** -20°C  
**Stability:** ≥2 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

### Laboratory Procedures

Prazobind is supplied as a crystalline solid. A stock solution may be made by dissolving the prazobind in the solvent of choice, which should be purged with an inert gas. Prazobind is soluble in the organic solvent DMSO at a concentration of approximately 0.1 mg/ml.

### Description

Prazobind is an  $\alpha_1$ -adrenergic receptor (AR) antagonist.<sup>1</sup> It inhibits binding of the  $\alpha_1$ -AR ligand, BE-2254, in rat hippocampus and liver, which highly express  $\alpha_{1A}$ - and  $\alpha_{1B}$ -ARs, respectively (IC<sub>50</sub> = 1 nM for both).<sup>2</sup> It decreases norepinephrine-induced contraction of isolated guinea pig aorta when used at a concentration of 1 nM.<sup>3</sup>

### References

1. Helman, J., Kusiak, J.W., Pitha, J., *et al.* Inhibition of  $\alpha_1$ -adrenergic responsiveness in intact cells by a new, irreversible receptor antagonist. *Biochem. Bioph. Res. Commun.* **142(2)**, 403-409 (1987).
2. Mante, S. and Minneman, K.P. The alkylating prazosin analog SZL 49 inactivates both  $\alpha_{1A}$ - and  $\alpha_{1B}$ -adrenoceptors. *Eur. J. Pharmacol.* **208(2)**, 113-117 (1991).
3. Oriowo, M.  $\alpha_1$ -adrenoceptor subtype(s) mediating noradrenaline-induced contractions of the guinea-pig aorta. *Fundam. Clin. Pharmacol.* **8(3)**, 214-219 (1994).

#### WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

#### SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent via email to your institution.

#### WARRANTY AND LIMITATION OF REMEDY

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#### CAYMAN CHEMICAL

1180 EAST ELLSWORTH RD  
ANN ARBOR, MI 48108 · USA

**PHONE:** [800] 364-9897  
[734] 971-3335

**FAX:** [734] 971-3640

CUSTSERV@CAYMANCHEM.COM  
WWW.CAYMANCHEM.COM